

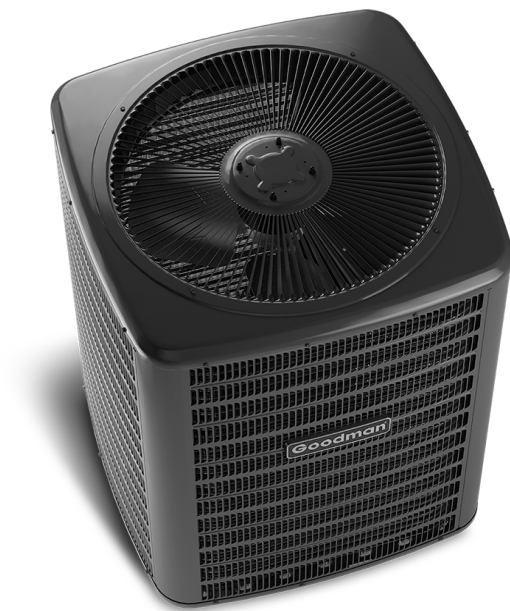


Air Conditioning & Heating

# GSX16

COOLING CAPACITY: 18,000 - 57,000

**ENERGY-EFFICIENT  
SPLIT SYSTEM AIR CONDITIONER  
1½ To 5 TONS  
UP TO 16 SEER**



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### Standard Features

- Energy-efficient compressor
- Factory-installed filter drier
- Fully charged for 15' of tubing length
- Copper tube/aluminum fin coil
- Service valves with sweat connections and easy-to-access gauge ports
- Contactor with lug connection
- Ground lug connection
- AHRI Certified
- ETL Listed

### Cabinet Features

- Heavy-gauge galvanized-steel cabinet with a louvered sound control top
- Attractive Architectural Gray powder-paint finish with 500-hour salt-spray approval
- Wire fan discharge grille
- Steel louver coil guard
- Single-panel access to controls with space provided for field-installed accessories
- When properly anchored, meets the 2017 Florida Building Code unit integrity requirements for hurricane-type winds (Anchor bracket kits available.)



Proper sizing and installation of equipment is critical to achieving optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet ENERGY STAR® criteria. Ask your contractor for details or visit [www.energystar.gov](http://www.energystar.gov).

**10** PARTS LIMITED WARRANTY

**2** YEAR REPLACEMENT LIMITED WARRANTY

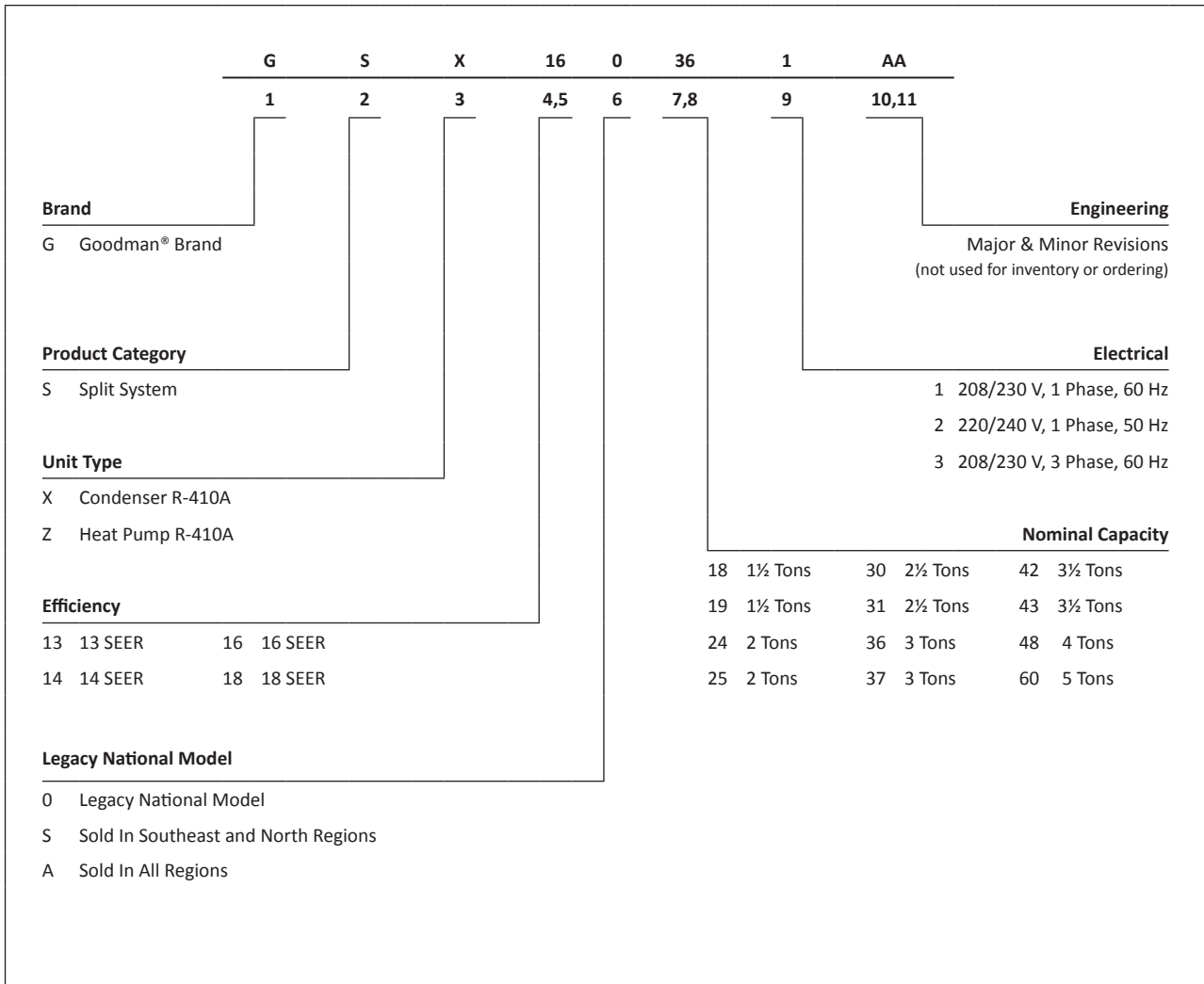











COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001 =

COMPANY WITH ENVIRONMENTAL SYSTEM CERTIFIED BY DNV GL = ISO 14001 =



\* Complete warranty details available from your local dealer or at [www.goodmanmfg.com](http://www.goodmanmfg.com). To receive the 2-Year Unit Replacement Limited Warranty and 10-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration is not required in California or Quebec.



	GSX16 0181F*	GSX16 0241F*	GSX16 0301F*	GSX16 0311A*	GSX16 0361F*	GSX16 0371A*	GSX16 0421F*	GSX16 0481F*	GSX16 0601F*
<b>CAPACITIES</b>									
Nominal Cooling (BTU/h)	18,000	23,600	29,000	30,000	34,800	36,000	42,000	45,500	54,000
SEER	16	16	16	16	16	16	16	16	16
Decibels	71.5	71.5	71.5	73.5	71.5	73	73	73	73
<b>COMPRESSOR</b>									
RLA	9.0	13.5	12.8	12.8	14.1	15.4	17.9	17.9	21.4
LRA	46	58.3	64	64	77	83.9	112	112	135
<b>CONDENSER FAN MOTOR</b>									
Horsepower	1/6	1/6	1/6	1/6	1/6	1/6	1/6	1/4	1/3
FLA	0.95	0.95	0.95	0.95	0.95	0.95	0.95	1.30	2.80
<b>REFRIGERATION SYSTEM</b>									
Refrigerant Line Size <sup>1</sup>									
Liquid Line Size ("O.D.)	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Suction Line Size ("O.D.)	3/4"	3/4"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"
Refrigerant Connection Size									
Liquid Valve Size ("O.D.)	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Suction Valve Size ("O.D.)	3/4"	3/4"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"
Valve Type	Sweat	Sweat	Sweat	Sweat	Sweat	Sweat	Sweat	Sweat	Sweat
Refrigerant Charge	78	70	78	94	94	93	110	121	237
<b>ELECTRICAL DATA</b>									
Voltage-Phase (60 Hz)	208/230-1	208/230-1	208/230-1	208/230-1	208/230-1	208/230-1	208/230-1	208/230-1	208/230-1
Minimum Circuit Ampacity <sup>2</sup>	12.2	17.8	17.0	17.0	18.6	20.2	23.3	23.7	29.6
Max. Overcurrent Protection <sup>3</sup>	20	30	25	25	30	35	40	40	50
Min / Max Volts	197/253	197/253	197/253	197/253	197/253	197/253	197/253	197/253	197/253
Electrical Conduit Size	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"
<b>EQUIPMENT WEIGHT (LBS)</b>	145	142	149	155	162	182	206	219	279
<b>SHIP WEIGHT (LBS)</b>	163	160	167	179	180	204	228	241	301
<b>ENERGY STAR® CERTIFIED</b>									

**ENERGY STAR NOTES**

- Proper sizing and installation of equipment is critical to achieving optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet ENERGY STAR® criteria. Ask your contractor for details or visit [www.energystar.gov](http://www.energystar.gov).
- The [www.energystar.gov](http://www.energystar.gov) website provides up-to-date system combinations certified to meet ENERGY STAR® requirements.

<sup>1</sup> Tested and rated in accordance with AHRI Standard 210/240



<sup>2</sup> Wire size should be determined in accordance with National Electrical Codes; extensive wire runs will require larger wire sizes

<sup>3</sup> Must use time-delay fuses or HACR-type circuit breakers of the same size as noted.

**NOTES**

- Always check the S&R plate for electrical data on the unit being installed.
- Installer will need to supply 3/8" to 1 1/4" adapters for suction line connections.
- Unit is charged with refrigerant for 15' of 3/8" liquid line. System charge must be adjusted per Installation Instructions Final Charge Procedure.
- Installation of these units requires the specified TXV Kit to be installed on the indoor coil.  
THE SPECIFIED TXV IS DETERMINED BY THE OUTDOOR UNIT NOT THE INDOOR COIL.

**PRODUCT SPECIFICATIONS (CONT.)**

	<b>GXS16S 181A*</b>	<b>GXS16S 241A*</b>	<b>GXS16S 301A*</b>	<b>GXS16S 361A*</b>	<b>GXS16S 421A*</b>	<b>GXS16S 481A*</b>
<b>CAPACITIES</b>						
Nominal Cooling (BTU/h)	18,000	23,600	29,000	34,800	42,000	45,500
SEER	16	16	16	16	16	16
Decibels	71	71	73.5	73.5	73	73
<b>COMPRESSOR</b>						
RLA	6.0	7.7	12.8	14.1	17.9	17.9
LRA	37.5	38	64	77	112	112
<b>CONDENSER FAN MOTOR</b>						
Horsepower	1/6	1/6	1/6	1/6	1/6	1/4
FLA	0.95	0.95	0.95	0.95	0.95	1.30
<b>REFRIGERATION SYSTEM</b>						
Refrigerant Line Size <sup>1</sup>						
Liquid Line Size ("O.D.)	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Suction Line Size ("O.D.)	3/4"	3/4"	7/8"	7/8"	7/8"	7/8"
Refrigerant Connection Size						
Liquid Valve Size ("O.D.)	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Suction Valve Size ("O.D.)	3/4"	3/4"	7/8"	7/8"	7/8"	7/8"
Valve Type	Sweat	Sweat	Sweat	Sweat	Sweat	Sweat
Refrigerant Charge	84	70	78	94	110	121
<b>ELECTRICAL DATA</b>						
Voltage-Phase (60 Hz)	208/230-1	208/230-1	208/230-1	208/230-1	208/230-1	208/230-1
Minimum Circuit Ampacity <sup>2</sup>	8.5	10.6	17.0	18.6	23.3	23.7
Max. Overcurrent Protection <sup>3</sup>	15	15	25	30	40	40
Min / Max Volts	197/253	197/253	197/253	197/253	197/253	197/253
Electrical Conduit Size	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"
<b>EQUIPMENT WEIGHT (LBS)</b>	135	132	149	162	206	219
<b>SHIP WEIGHT (LBS)</b>	154	150	167	180	228	241
<b>ENERGY STAR® CERTIFIED</b>			NO	NO	NO	NO

**ENERGY STAR NOTES**

- Proper sizing and installation of equipment is critical to achieving optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet ENERGY STAR® criteria. Ask your contractor for details or visit [www.energystar.gov](http://www.energystar.gov).
- The [www.energystar.gov](http://www.energystar.gov) website provides up-to-date system combinations certified to meet ENERGY STAR® requirements.

<sup>1</sup> Tested and rated in accordance with AHRI Standard 210/240

<sup>2</sup> Wire size should be determined in accordance with National Electrical Codes; extensive wire runs will require larger wire sizes

<sup>3</sup> Must use time-delay fuses or HACR-type circuit breakers of the same size as noted.

**NOTES**

- Always check the S&R plate for electrical data on the unit being installed.
- Installer will need to supply 7/8" to 1 1/8" adapters for suction line connections.
- Unit is charged with refrigerant for 15' of 3/8" liquid line. System charge must be adjusted per Installation Instructions Final Charge Procedure.
- Installation of these units requires the specified TXV Kit to be installed on the indoor coil.  
THE SPECIFIED TXV IS DETERMINED BY THE OUTDOOR UNIT NOT THE INDOOR COIL.

IDB		OUTDOOR AMBIENT TEMPERATURE																																																																																																																																																																																																																																																																																																																																																																													
		65°F								75°F								85°F								95°F								105°F								115°F																																																																																																																																																																																																																																																																																																																																					
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71																																																																																																																																																																																																																																																																																																																																														
70		MBh	15.8	16.4	17.9	-	15.4	16.0	17.5	-	15.1	15.6	17.1	-	14.7	15.2	16.7	-	14.0	14.5	15.9	-	12.9	13.4	14.7	-	MBh	17.1	17.7	19.4	-	16.7	17.3	19.0	-	16.3	16.9	18.5	-	15.9	16.5	18.1	-	15.1	15.7	17.2	-	14.0	14.5	15.9	-	S/T	0.68	0.57	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-	S/T	0.71	0.59	0.41	-	0.73	0.61	0.43	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.81	0.68	0.47	-	ΔT	19	16	12	-	19	17	13	-	19	17	13	-	18	15	12	-	17	15	11	-	17	15	11	-	ΔT	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	11	-	kW	1.18	1.20	1.23	-	1.26	1.28	1.31	-	1.32	1.35	1.38	-	1.41	1.44	1.48	-	1.46	1.49	1.53	-	1.51	1.54	1.58	-	kW	1.21	1.23	1.26	-	1.28	1.31	1.34	-	1.35	1.38	1.41	-	1.41	1.44	1.48	-	1.46	1.49	1.53	-	1.51	1.54	1.58	-	Amps	4.3	4.3	4.5	-	4.6	4.7	4.8	-	4.9	5.0	5.2	-	5.1	5.2	5.3	-	5.4	5.5	5.7	-	5.7	5.8	6.0	-	Amps	4.4	4.5	4.6	-	4.7	4.8	4.9	-	5.1	5.2	5.3	-	5.4	5.5	5.7	-	5.7	5.8	6.0	-	6.0	6.2	6.4	-	Hi PR	199	214	226	-	223	240	254	-	254	273	289	-	262	282	298	-	298	321	339	-	336	361	381	-	Hi PR	205	221	233	-	230	248	262	-	262	282	298	-	262	282	298	-	298	321	339	-	336	361	381	-	Lo PR	101	108	118	-	107	114	125	-	111	119	129	-	115	122	133	-	121	128	140	-	126	135	147	-	Lo PR	105	111	122	-	111	118	128	-	115	122	133	-	115	122	133	-	121	128	140	-	126	135	147	-																
75		MBh	16.1	16.5	17.9	19.2	15.7	16.2	17.5	18.8	15.3	15.8	17.1	18.3	15.0	15.4	16.7	17.9	14.2	14.6	15.8	17.0	13.2	13.5	14.7	15.7	MBh	17.4	17.9	19.4	20.8	17.0	17.5	19.0	20.3	16.6	17.1	18.5	19.9	16.2	16.7	18.1	19.4	15.4	15.8	17.2	18.4	14.3	14.7	15.9	17.1	S/T	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.88	0.79	0.62	0.40	0.93	0.83	0.63	0.40	S/T	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.88	0.79	0.62	0.40	0.93	0.83	0.63	0.40	ΔT	20	18	15	10	20	19	15	10	20	19	15	10	10	20	19	15	11	20	20	18	15	10	19	17	14	10	ΔT	20	18	15	10	20	19	15	10	20	19	15	10	10	20	19	15	11	20	20	18	15	10	19	17	14	10	kW	1.21	1.24	1.27	1.30	1.29	1.32	1.35	1.39	1.36	1.39	1.42	1.46	1.46	1.42	1.45	1.49	1.53	1.47	1.50	1.54	1.59	1.52	1.55	1.59	1.64	kW	1.21	1.24	1.27	1.30	1.29	1.32	1.35	1.39	1.36	1.39	1.42	1.46	1.46	1.42	1.45	1.49	1.53	1.47	1.50	1.54	1.59	1.52	1.55	1.59	1.64	Amps	4.4	4.5	4.6	4.8	4.7	4.8	5.0	5.2	5.1	5.2	5.4	5.6	5.6	5.4	5.6	5.7	5.9	5.8	5.9	6.1	6.3	6.1	6.2	6.4	6.7	Amps	4.4	4.5	4.6	4.8	4.7	4.8	5.0	5.2	5.1	5.2	5.4	5.6	5.6	5.4	5.6	5.7	5.9	5.8	5.9	6.1	6.3	6.1	6.2	6.4	6.7	Hi PR	201	216	229	238	226	243	257	268	257	276	292	304	292	301	314	301	324	343	329	354	374	390	363	391	413	431	Hi PR	205	221	233	246	230	248	262	276	265	285	301	314	292	301	314	301	324	343	329	354	374	390	363	391	413	431	Lo PR	103	109	119	127	108	115	126	134	113	120	131	139	118	126	137	146	122	130	142	151	128	136	148	158	163	171	Lo PR	107	112	123	131	112	119	130	138	116	123	135	144	122	130	142	151	122	130	142	151	128	136	148	158	163	171

Amps = outdoor unit amps (comp.+fan)  
kW = Total system power

Shaded area reflects ACCA (TVA) conditions

IDB: Entering Indoor Dry Bulb Temperature  
High and low pressures are measured at the liquid and suction service valves.

















IDB		OUTDOOR AMBIENT TEMPERATURE																																			
		65°F						75°F						85°F						95°F						105°F						115°F					
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71				
AIRFLOW	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71					
70	875	MBh	25.5	26.4	28.9	-	24.9	25.8	28.2	-	24.3	25.2	27.6	-	23.7	24.6	26.9	-	22.5	23.3	25.6	-	20.8	21.6	23.7	-	20.8	21.6	23.7	-							
		S/T	0.70	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.45	-	0.80	0.67	0.46	-	0.81	0.67	0.47	-	0.81	0.67	0.47	-							
		ΔT	19	16	12	-	19	16	12	-	19	16	13	-	19	17	13	-	19	16	12	-	18	15	12	-	18	15	12	-							
		kW	1.87	1.90	1.96	-	2.00	2.04	2.10	-	2.11	2.15	2.22	-	2.21	2.26	2.32	-	2.30	2.34	2.41	-	2.37	2.42	2.49	-	2.37	2.42	2.49	-							
		Amps	6.8	6.9	7.1	-	7.3	7.5	7.7	-	7.9	8.1	8.4	-	8.5	8.7	9.0	-	9.0	9.2	9.5	-	9.5	9.8	10.1	-	9.5	9.8	10.1	-							
	1000	Hi PR	214	230	243	-	240	258	272	-	272	293	310	-	310	334	353	-	349	376	397	-	386	415	438	-	386	415	438	-							
		Lo PR	104	110	120	-	109	116	127	-	114	121	132	-	119	127	139	-	125	133	145	-	130	138	150	-	130	138	150	-							
		MBh	27.6	28.6	31.3	-	26.9	27.9	30.6	-	26.3	27.3	29.9	-	25.7	26.6	29.1	-	24.4	25.3	27.7	-	22.6	23.4	25.6	-	22.6	23.4	25.6	-							
		S/T	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.84	0.70	0.48	-	0.84	0.70	0.48	-							
		ΔT	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-	17	15	11	-							
1125	kW	1.91	1.95	2.00	-	2.04	2.08	2.14	-	2.16	2.20	2.27	-	2.26	2.31	2.38	-	2.35	2.40	2.47	-	2.43	2.48	2.55	-	2.43	2.48	2.55	-								
	Amps	6.9	7.1	7.3	-	7.5	7.7	7.9	-	8.2	8.3	8.6	-	8.7	8.9	9.2	-	9.3	9.5	9.8	-	9.8	10.1	10.4	-	9.8	10.1	10.4	-								
	Hi PR	220	237	250	-	247	266	281	-	281	302	319	-	320	344	364	-	360	387	409	-	398	428	452	-	398	428	452	-								
	Lo PR	107	114	124	-	113	120	131	-	117	125	136	-	123	131	143	-	129	137	150	-	134	142	155	-	134	142	155	-								
	MBh	28.4	29.5	32.3	-	27.8	28.8	31.5	-	27.1	28.1	30.8	-	26.4	27.4	30.0	-	25.1	26.0	28.5	-	23.3	24.1	26.4	-	23.3	24.1	26.4	-								
75	875	MBh	25.9	26.7	28.9	31.0	25.3	26.0	28.2	30.3	24.7	25.4	27.5	29.5	24.1	24.8	26.8	28.8	22.9	23.6	25.5	27.4	21.2	21.8	23.6	25.4	21.2	21.8	23.6	25.4							
		S/T	0.80	0.71	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.57	0.37	0.88	0.78	0.59	0.38	0.91	0.81	0.62	0.40	0.92	0.82	0.62	0.40	0.92	0.82	0.62	0.40							
		ΔT	22	20	16	11	22	20	17	11	22	20	17	11	22	20	16	11	22	22	20	16	11	20	19	15	11	20	19	15	11						
		kW	1.88	1.92	1.97	2.03	2.01	2.05	2.11	2.17	2.13	2.17	2.23	2.30	2.30	2.23	2.27	2.34	2.41	2.31	2.36	2.43	2.51	2.39	2.44	2.51	2.59	2.39	2.44	2.51	2.59						
		Amps	6.8	7.0	7.2	7.5	7.4	7.5	7.8	8.1	8.0	8.2	8.5	8.8	8.8	8.5	8.8	9.0	9.4	9.1	9.3	9.6	10.0	9.6	9.9	10.2	10.6	9.6	9.9	10.2	10.6						
	1000	Hi PR	216	232	245	256	242	260	275	287	275	296	313	326	314	337	356	372	353	353	380	401	418	390	419	443	462	390	419	443	462						
		Lo PR	105	111	122	129	111	118	128	137	115	122	133	142	121	128	140	149	127	127	135	147	156	131	139	152	162	131	139	152	162						
		MBh	28.1	28.9	31.3	33.6	27.4	28.2	30.5	32.8	26.8	27.5	29.8	32.0	26.1	26.9	29.1	31.2	24.8	24.8	25.5	27.6	29.7	23.0	23.6	25.6	27.5	23.0	23.6	25.6	27.5						
		S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.81	0.61	0.40	0.94	0.84	0.64	0.41	0.95	0.85	0.64	0.41	0.95	0.85	0.64	0.41							
		ΔT	21	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	22	21	20	16	11	20	18	15	10	20	18	15	10						
1125	kW	1.92	1.96	2.02	2.08	2.06	2.10	2.16	2.22	2.18	2.22	2.29	2.36	2.28	2.33	2.40	2.47	2.37	2.42	2.49	2.57	2.66	2.45	2.50	2.57	2.66	2.45	2.50	2.57	2.66							
	Amps	7.0	7.2	7.4	7.7	7.6	7.8	8.0	8.4	8.2	8.4	8.7	9.0	8.8	9.0	9.3	9.7	9.4	9.6	9.9	10.3	10.9	9.9	10.2	10.5	10.9	9.9	10.2	10.5	10.9							
	Hi PR	222	239	253	264	250	269	284	296	284	305	322	336	323	348	367	383	364	364	391	413	431	402	432	457	476	402	432	457	476							
	Lo PR	108	115	125	133	114	121	132	141	118	126	138	147	124	132	145	154	130	130	139	151	161	135	144	157	167	135	144	157	167							
	MBh	28.9	29.8	32.2	34.6	28.2	29.1	31.5	33.8	27.6	28.4	30.7	33.0	26.9	27.7	30.0	32.2	25.5	25.5	26.3	28.5	30.5	23.7	24.4	26.4	28.3	23.7	24.4	26.4	28.3							

IDB: Entering Indoor Dry Bulb Temperature  
 High and low pressures are measured at the liquid and suction service valves.  
 Shaded area reflects ACCA (TVA) conditions  
 Amps = outdoor unit amps (comp.+fan)  
 kW = Total system power









IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												ENTERING INDOOR WET BULB TEMPERATURE												
		65°F				75°F				85°F				95°F				105°F				115°F				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
70	1050	MBh	30.6	31.7	34.7	-	29.8	30.9	33.9	-	29.1	30.2	33.1	-	28.4	29.5	32.3	-	27.0	28.0	30.7	-	25.0	25.9	28.4	-
		S/T	0.71	0.59	0.41	-	0.74	0.62	0.43	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.82	0.68	0.47	-
	ΔT	19	16	13	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	15	12	-	
	KW	2.23	2.27	2.34	-	2.39	2.44	2.51	-	2.53	2.58	2.66	-	2.65	2.70	2.79	-	2.75	2.81	2.90	-	2.84	2.90	2.99	-	
	Amps	8.1	8.3	8.5	-	8.7	8.9	9.2	-	9.5	9.7	10.0	-	10.1	10.4	10.7	-	10.8	11.1	11.4	-	11.5	11.7	12.1	-	
	Hi PR	219	236	249	-	246	265	280	-	280	301	318	-	319	343	362	-	359	386	407	-	396	426	450	-	
	Lo PR	103	109	120	-	109	116	126	-	113	120	131	-	119	126	138	-	124	132	144	-	129	137	149	-	
	1200	MBh	33.1	34.3	37.6	-	32.3	33.5	36.7	-	31.6	32.7	35.8	-	30.8	31.9	35.0	-	29.3	30.3	33.2	-	27.1	28.1	30.8	-
		S/T	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.84	0.70	0.49	-	0.85	0.71	0.49	-
	ΔT	19	16	12	-	19	16	12	-	19	16	12	-	19	17	13	-	19	16	12	-	18	15	12	-	
KW	2.28	2.33	2.39	-	2.44	2.49	2.57	-	2.59	2.64	2.72	-	2.71	2.77	2.85	-	2.82	2.88	2.97	-	2.91	2.97	3.07	-		
Amps	8.3	8.5	8.8	-	9.0	9.2	9.5	-	9.8	10.0	10.3	-	10.4	10.7	11.1	-	11.1	11.4	11.8	-	11.8	12.1	12.5	-		
Hi PR	226	243	257	-	254	273	288	-	288	310	328	-	329	354	373	-	370	398	420	-	408	440	464	-		
Lo PR	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	149	-	133	141	154	-		
1350	MBh	34.1	35.3	38.7	-	33.3	34.5	37.8	-	32.5	33.7	36.9	-	31.7	32.9	36.0	-	30.1	31.2	34.2	-	27.9	28.9	31.7	-	
	S/T	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.82	0.69	0.48	-	0.85	0.71	0.49	-	0.88	0.74	0.51	-	0.89	0.74	0.51	-	
ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-		
KW	2.30	2.34	2.41	-	2.46	2.51	2.59	-	2.61	2.66	2.74	-	2.73	2.79	2.88	-	2.84	2.90	2.99	-	2.94	3.00	3.09	-		
Amps	8.4	8.6	8.9	-	9.1	9.3	9.6	-	9.9	10.1	10.4	-	10.5	10.8	11.2	-	11.2	11.5	11.9	-	11.9	12.2	12.6	-		
Hi PR	228	246	259	-	256	276	291	-	291	314	331	-	332	357	377	-	373	402	424	-	413	444	469	-		
Lo PR	107	114	124	-	113	120	131	-	118	125	137	-	124	131	144	-	130	138	150	-	134	143	156	-		
75	1050	MBh	31.1	32.0	34.6	37.2	30.4	31.3	33.8	36.3	29.6	30.5	33.0	35.4	28.9	29.8	32.2	34.6	27.5	28.3	30.6	32.8	25.4	26.2	28.4	30.4
		S/T	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.37	0.89	0.79	0.60	0.39	0.92	0.82	0.62	0.40	0.93	0.83	0.63	0.40
	ΔT	22	20	17	11	22	21	17	12	22	21	17	12	22	21	17	12	22	20	17	12	21	19	16	11	
	KW	2.25	2.29	2.36	2.43	2.41	2.45	2.53	2.60	2.55	2.60	2.68	2.76	2.67	2.73	2.81	2.90	2.78	2.83	2.92	3.01	2.87	2.93	3.02	3.11	
	Amps	8.1	8.3	8.6	8.9	8.8	9.0	9.3	9.7	9.6	9.8	10.1	10.5	10.2	10.5	10.9	11.3	10.9	11.2	11.6	12.0	11.6	11.9	12.3	12.7	
	Hi PR	222	238	252	263	249	267	282	295	283	304	321	335	322	346	366	382	362	390	412	429	400	431	455	474	
	Lo PR	104	111	121	129	110	117	128	136	114	121	133	141	120	128	139	148	126	134	146	155	130	138	151	161	
	1200	MBh	33.7	34.7	37.5	40.3	32.9	33.9	36.6	39.3	32.1	33.1	35.8	38.4	31.3	32.2	34.9	37.5	29.8	30.6	33.2	35.6	27.6	28.4	30.7	33.0
		S/T	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.89	0.80	0.60	0.39	0.92	0.82	0.62	0.40	0.95	0.85	0.65	0.42	0.96	0.86	0.65	0.42
	ΔT	22	20	16	11	22	20	17	11	22	20	17	11	22	20	17	11	22	20	16	11	20	19	15	11	
KW	2.30	2.34	2.41	2.48	2.46	2.51	2.59	2.67	2.61	2.66	2.74	2.83	2.73	2.79	2.88	2.97	2.84	2.90	2.99	3.09	2.94	3.00	3.09	3.19		
Amps	8.4	8.6	8.9	9.2	9.1	9.3	9.6	10.0	9.9	10.1	10.4	10.8	10.5	10.8	11.2	11.6	11.2	11.5	11.9	12.3	11.9	12.2	12.6	13.1		
Hi PR	228	246	260	271	256	276	291	304	291	314	331	345	332	357	377	393	373	402	424	443	413	444	469	489		
Lo PR	107	114	124	133	113	120	131	140	118	125	137	146	124	131	144	153	130	138	150	160	134	143	156	166		
1350	MBh	34.7	35.7	38.6	41.5	33.9	34.9	37.7	40.5	33.1	34.0	36.9	39.6	32.3	33.2	36.0	38.6	30.6	31.6	34.2	36.7	28.4	29.2	31.6	34.0	
	S/T	0.88	0.79	0.60	0.38	0.91	0.81	0.62	0.40	0.93	0.84	0.63	0.41	0.96	0.86	0.65	0.42	1.00	0.90	0.68	0.44	1.00	0.90	0.68	0.44	
ΔT	21	19	16	11	21	19	16	11	21	19	16	11	21	20	16	11	21	19	16	11	19	18	15	10		
KW	2.32	2.36	2.43	2.50	2.48	2.53	2.61	2.69	2.63	2.68	2.76	2.85	2.76	2.81	2.90	2.99	2.86	2.93	3.02	3.11	2.96	3.02	3.12	3.22		
Amps	8.5	8.7	8.9	9.3	9.1	9.4	9.7	10.0	9.9	10.2	10.5	10.9	10.6	10.9	11.3	11.7	11.3	11.6	12.0	12.5	12.0	12.3	12.7	13.2		
Hi PR	231	248	262	273	259	279	294	307	294	317	334	349	335	361	381	397	377	406	429	447	417	448	474	494		
Lo PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167		

IDB: Entering Indoor Dry Bulb Temperature  
 High and low pressures are measured at the liquid and suction service valves.  
 Shaded area reflects ACCA (TVA) conditions  
 Amps = outdoor unit amps (comp.+fan)  
 kW = Total system power



IDB		OUTDOOR AMBIENT TEMPERATURE												105°F												115°F											
		65°F						75°F						85°F						95°F						105°F						115°F					
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71				
70	1050	MBh	36.6	37.1	38.2	---	36.3	36.8	37.9	---	35.3	35.9	37.0	---	33.7	34.2	35.3	---	31.7	32.2	33.3	---	29.8	30.4	31.5	---											
		S/T	0.60	0.53	0.39	---	0.61	0.53	0.40	---	0.63	0.56	0.42	---	0.65	0.58	0.44	---	0.67	0.60	0.46	---	1.00	0.65	0.51	---											
		ΔT	21	19	15	---	21	19	15	---	21	19	16	---	21	19	15	---	21	19	15	---	22	20	16	---											
		kW	2.10	2.10	2.10	---	2.34	2.34	2.34	---	2.61	2.61	2.60	---	2.90	2.89	2.89	---	3.22	3.21	3.21	---	3.59	3.59	3.59	---											
		Amps	7.6	7.6	7.6	---	8.7	8.7	8.7	---	9.9	9.9	9.9	---	11.2	11.2	11.2	---	12.7	12.7	12.7	---	14.4	14.4	14.4	---											
	Hi PR	245	246	248	---	283	285	286	---	324	325	327	---	367	369	370	---	414	416	417	---	465	466	467	---												
	Lo PR	118	120	123	---	126	127	130	---	132	133	136	---	137	139	142	---	143	144	147	---	149	151	154	---												
	MBh	37.1	37.6	38.7	---	36.8	37.3	38.4	---	35.8	36.3	37.4	---	34.2	34.7	35.8	---	32.2	32.7	33.8	---	30.3	30.8	31.9	---												
	S/T	0.66	0.59	0.45	---	0.67	0.59	0.46	---	0.69	0.62	0.48	---	0.71	0.64	0.50	---	1.00	0.66	0.52	---	1.00	0.71	0.57	---												
	ΔT	20	18	14	---	20	18	14	---	20	18	14	---	20	18	14	---	19	17	14	---	21	19	15	---												
kW	2.12	2.11	2.11	---	2.35	2.35	2.35	---	2.62	2.62	2.61	---	2.91	2.91	2.90	---	3.23	3.23	3.22	---	3.61	3.60	3.60	---													
Amps	7.7	7.7	7.7	---	8.8	8.8	8.7	---	10.0	10.0	10.0	---	11.3	11.3	11.3	---	12.8	12.8	12.7	---	14.5	14.5	14.5	---													
Hi PR	247	248	250	---	286	287	288	---	326	327	329	---	370	371	372	---	417	418	419	---	467	468	469	---													
Lo PR	120	122	125	---	127	129	132	---	134	135	138	---	139	140	143	---	144	146	149	---	151	152	155	---													
MBh	37.7	38.2	39.3	---	37.4	37.9	39.0	---	36.4	36.9	38.0	---	34.8	35.3	36.4	---	32.7	33.3	34.4	---	30.9	31.4	32.5	---													
S/T	0.70	0.62	0.48	---	0.70	0.63	0.49	---	0.73	0.65	0.52	---	0.75	0.67	0.54	---	1.00	0.69	0.56	---	1.00	0.74	0.61	---													
ΔT	19	17	13	---	19	17	13	---	19	17	13	---	19	17	13	---	18	16	13	---	20	18	14	---													
kW	2.13	2.12	2.12	---	2.36	2.36	2.36	---	2.63	2.63	2.62	---	2.92	2.92	2.91	---	3.24	3.24	3.23	---	3.62	3.61	3.61	---													
Amps	7.7	7.7	7.7	---	8.8	8.8	8.8	---	10.0	10.0	10.0	---	11.4	11.3	11.3	---	12.8	12.8	12.8	---	14.5	14.5	14.5	---													
Hi PR	249	250	252	---	288	289	290	---	328	329	331	---	372	373	374	---	419	420	421	---	469	470	472	---													
Lo PR	122	124	127	---	129	131	134	---	136	137	140	---	141	142	145	---	146	148	151	---	153	154	157	---													
75	1050	MBh	36.6	37.2	38.3	39.9	36.3	36.8	37.9	39.6	35.4	35.9	37.0	38.6	33.7	34.2	35.3	37.0	31.7	32.2	33.3	35.0	29.9	30.4	31.5	33.2											
		S/T	0.73	0.65	0.52	0.38	0.74	0.66	0.53	0.38	0.76	0.69	0.55	0.41	1.00	0.70	0.57	0.43	1.00	0.73	0.59	0.45	1.00	0.78	0.64	0.50											
		ΔT	25	23	20	16	25	23	20	16	25	23	20	16	25	23	20	16	25	23	19	16	26	24	20	17											
		kW	2.10	2.10	2.10	2.11	2.34	2.34	2.33	2.35	2.61	2.60	2.60	2.62	2.89	2.89	2.89	2.91	3.22	3.21	3.21	3.23	3.59	3.59	3.59	3.60											
		Amps	7.6	7.6	7.6	7.7	8.7	8.7	8.7	8.8	9.9	9.9	9.9	10.0	11.2	11.2	11.2	11.3	12.7	12.7	12.7	12.8	14.4	14.4	14.4	14.5											
	Hi PR	245	246	248	252	284	285	286	291	324	325	327	331	368	369	370	375	415	416	417	422	465	466	468	472												
	Lo PR	118	120	123	128	126	127	130	135	132	133	136	141	137	139	142	147	143	144	147	152	149	151	154	159												
	MBh	37.1	37.6	38.7	40.4	36.8	37.3	38.4	40.1	35.8	36.4	37.5	39.1	34.2	<b>34.7</b>	35.8	37.5	37.0	32.2	32.7	33.8	35.5	30.4	30.9	32.0	33.6											
	S/T	0.79	0.71	0.58	0.44	0.80	0.72	0.59	0.44	1.00	0.75	0.61	0.47	1.00	<b>0.76</b>	0.63	0.49	1.00	0.79	0.65	0.51	1.00	0.84	0.70	0.56												
	ΔT	24	22	18	15	24	22	18	15	24	22	19	15	24	<b>22</b>	18	15	15	24	22	18	14	25	23	19	16											
kW	2.11	2.11	2.11	2.13	2.35	2.35	2.35	2.36	2.62	2.62	2.61	2.63	2.91	<b>2.90</b>	2.90	2.92	2.92	3.23	3.23	3.22	3.24	3.60	3.60	3.60	3.62												
Amps	7.7	7.7	7.7	7.7	8.8	8.8	8.7	8.8	10.0	10.0	10.0	10.0	11.3	<b>11.3</b>	11.3	11.4	12.8	12.8	12.7	12.8	14.5	14.5	14.5	14.5													
Hi PR	247	248	250	254	286	287	289	293	326	327	329	333	370	<b>371</b>	373	377	377	417	418	420	424	467	468	470	474												
Lo PR	120	122	125	130	127	129	132	137	134	135	138	143	139	<b>140</b>	144	149	149	144	146	149	154	151	152	155	160												
MBh	37.7	38.2	39.3	41.0	37.4	37.9	39.0	40.7	36.4	36.9	38.0	39.7	34.8	35.3	36.4	38.1	38.1	32.8	33.3	34.4	36.0	30.9	31.4	32.5	34.2												
S/T	0.82	0.75	0.61	0.47	0.83	0.75	0.62	0.48	1.00	0.78	0.64	0.50	1.00	0.80	0.66	0.52	1.00	0.82	0.69	0.54	1.00	0.87	0.74	0.59													
ΔT	23	21	17	14	23	21	17	14	23	21	18	14	23	21	17	14	14	23	21	17	13	24	22	18	15												
kW	2.12	2.12	2.12	2.14	2.36	2.36	2.36	2.38	2.63	2.63	2.62	2.64	2.92	2.91	2.91	2.93	3.24	3.24	3.23	3.25	3.61	3.61	3.61	3.63													
Amps	7.7	7.7	7.7	7.8	8.8	8.8	8.8	8.9	10.0	10.0	10.0	10.1	11.3	11.3	11.3	11.4	12.8	12.8	12.8	12.9	14.5	14.5	14.5	14.6													
Hi PR	249	250	252	256	288	289	291	295	328	329	331	335	372	373	375	379	379	419	420	422	426	469	470	472	476												
Lo PR	122	124	127	132	129	131	134	139	136	137	140	145	141	142	145	150	150	146	148	151	156	153	154	157	162												

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IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												ENTERING INDOOR WET BULB TEMPERATURE											
		65°F				75°F				85°F				95°F				105°F				115°F			
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	MBh	36.9	38.2	41.9	-	36.0	37.3	40.9	-	35.2	36.4	39.9	-	34.3	35.6	39.0	-	32.6	33.8	37.0	-	30.2	31.3	34.3	-
	S/T	0.70	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.45	-	0.80	0.67	0.46	-	0.81	0.67	0.47	-
	ΔT	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-
	kW	2.70	2.76	2.83	-	2.89	2.95	3.03	-	3.06	3.12	3.21	-	3.20	3.27	3.37	-	3.33	3.39	3.50	-	3.43	3.50	3.61	-
	Amps	9.9	10.1	10.4	-	10.7	10.9	11.3	-	11.6	11.8	12.2	-	12.3	12.6	13.1	-	13.1	13.4	13.9	-	13.9	14.2	14.7	-
	Hi PR	220	237	250	-	247	265	280	-	281	302	319	-	320	344	363	-	359	387	409	-	397	427	451	-
	Lo PR	102	109	119	-	108	115	125	-	112	119	130	-	118	125	137	-	124	131	143	-	128	136	148	-
	MBh	40.0	41.4	45.4	-	39.0	40.5	44.3	-	38.1	39.5	43.3	-	37.2	38.5	42.2	-	35.3	36.6	40.1	-	32.7	33.9	37.1	-
	S/T	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.84	0.70	0.48	-
	ΔT	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	16	12	-
	kW	2.76	2.82	2.90	-	2.96	3.02	3.10	-	3.13	3.19	3.29	-	3.28	3.34	3.45	-	3.40	3.48	3.58	-	3.51	3.59	3.70	-
	Amps	10.1	10.4	10.7	-	10.9	11.2	11.6	-	11.9	12.2	12.6	-	12.7	13.0	13.4	-	13.5	13.8	14.3	-	14.3	14.6	15.1	-
Hi PR	227	244	258	-	254	274	289	-	289	311	329	-	329	355	374	-	371	399	421	-	409	441	465	-	
Lo PR	105	112	122	-	111	118	129	-	116	123	134	-	122	129	141	-	127	135	148	-	132	140	153	-	
MBh	41.2	42.7	46.7	-	40.2	41.7	45.7	-	39.2	40.7	44.6	-	38.3	39.7	43.5	-	36.4	37.7	41.3	-	33.7	34.9	38.3	-	
S/T	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.84	0.70	0.48	-	0.87	0.73	0.50	-	0.88	0.73	0.51	-	
ΔT	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-	
kW	2.78	2.84	2.92	-	2.98	3.04	3.13	-	3.15	3.21	3.31	-	3.30	3.37	3.47	-	3.43	3.50	3.61	-	3.54	3.62	3.73	-	
Amps	10.2	10.5	10.8	-	11.0	11.3	11.7	-	12.0	12.3	12.7	-	12.8	13.1	13.6	-	13.6	14.0	14.4	-	14.4	14.8	15.3	-	
Hi PR	229	246	260	-	257	276	292	-	292	314	332	-	333	358	378	-	374	403	425	-	414	445	470	-	
Lo PR	106	113	124	-	112	120	131	-	117	124	136	-	123	131	143	-	129	137	149	-	133	142	155	-	
75	MBh	37.5	38.6	41.8	44.9	36.6	37.7	40.8	43.8	35.8	36.8	39.9	42.8	34.9	35.9	38.9	41.7	33.1	34.1	36.9	39.6	30.7	31.6	34.2	36.7
	S/T	0.80	0.71	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.57	0.37	0.88	0.78	0.59	0.38	0.91	0.81	0.62	0.40	0.92	0.82	0.62	0.40
	ΔT	22	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	21	19	16	11
	kW	2.72	2.78	2.86	2.94	2.91	2.97	3.06	3.15	3.08	3.14	3.23	3.33	3.23	3.29	3.39	3.50	3.35	3.42	3.53	3.64	3.46	3.53	3.64	3.76
	Amps	10.0	10.2	10.5	10.9	10.8	11.0	11.4	11.8	11.7	11.9	12.3	12.8	12.5	12.8	13.2	13.7	13.3	13.6	14.0	14.6	14.0	14.4	14.9	15.4
	Hi PR	222	239	252	263	249	268	283	295	283	305	322	336	323	347	367	383	363	391	413	430	401	432	456	476
	Lo PR	103	110	120	128	109	116	127	135	113	121	132	140	119	127	138	147	125	133	145	154	129	137	150	160
	MBh	40.6	41.8	45.3	48.6	39.7	40.9	44.2	47.5	38.7	39.9	43.2	46.3	37.8	38.9	42.1	45.2	35.9	37.0	40.0	43.0	33.3	34.2	37.1	39.8
	S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.81	0.61	0.40	0.94	0.84	0.64	0.41	0.95	0.85	0.64	0.41
	ΔT	22	20	17	12	22	21	17	12	22	21	17	12	23	21	17	12	22	20	17	12	21	19	16	11
	kW	2.78	2.84	2.92	3.01	2.98	3.04	3.13	3.22	3.15	3.21	3.31	3.41	3.30	3.37	3.47	3.58	3.43	3.50	3.61	3.72	3.54	3.62	3.73	3.85
	Amps	10.2	10.5	10.8	11.2	11.0	11.3	11.7	12.1	12.0	12.3	12.7	13.2	12.8	13.1	13.6	14.1	13.6	14.0	14.4	15.0	14.4	14.8	15.3	15.9
Hi PR	229	246	260	271	257	276	292	305	292	314	332	346	333	358	378	394	374	403	425	444	414	445	470	490	
Lo PR	106	113	124	132	112	120	131	139	117	124	136	145	123	131	143	152	129	137	149	159	133	142	155	165	
MBh	41.9	43.1	46.6	50.1	40.9	42.1	45.6	48.9	39.9	41.1	44.5	47.7	38.9	40.1	43.4	46.6	37.0	38.1	41.2	44.2	34.3	35.3	38.2	41.0	
S/T	0.87	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.92	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.99	0.88	0.67	0.43	1.00	0.89	0.67	0.43	
ΔT	21	20	16	11	21	20	16	11	21	20	16	11	22	20	16	11	21	20	16	11	20	18	15	10	
kW	2.80	2.86	2.94	3.03	3.00	3.06	3.15	3.25	3.17	3.24	3.34	3.44	3.33	3.40	3.50	3.61	3.46	3.53	3.64	3.75	3.57	3.65	3.76	3.88	
Amps	10.3	10.6	10.9	11.3	11.1	11.4	11.8	12.2	12.1	12.4	12.8	13.3	12.9	13.2	13.7	14.2	13.8	14.1	14.6	15.1	14.6	14.9	15.4	16.0	
Hi PR	231	249	263	274	259	279	295	308	295	318	335	350	336	362	382	398	378	407	430	448	418	450	475	495	
Lo PR	107	114	125	133	114	121	132	140	118	126	137	146	124	132	144	153	130	138	151	161	134	143	156	166	

IDB: Entering Indoor Dry Bulb Temperature  
 High and low pressures are measured at the liquid and suction service valves.  
 Shaded area reflects ACCA (TVA) conditions  
 Amps = outdoor unit amps (comp.+fan)  
 kW = Total system power

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																																			
		65°F						75°F						85°F						95°F						105°F						115°F					
		59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79
80	1225	MBh	38.2	39.0	41.7	44.5	37.3	38.1	40.7	43.5	36.4	37.2	39.7	42.5	35.5	36.3	38.8	41.4	33.7	34.5	36.8	39.4	31.2	31.9	34.1	36.5											
		S/T	0.88	0.82	0.67	0.50	0.91	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.93	0.76	0.57	1.00	0.94	0.77	0.57											
		ΔT	25	24	21	17	25	24	21	17	25	24	21	17	26	25	21	17	25	24	21	17	24	23	20	16											
		KW	2.74	2.80	2.88	2.96	2.93	2.99	3.08	3.17	3.10	3.17	3.26	3.36	3.25	3.32	3.42	3.52	3.38	3.45	3.55	3.66	3.49	3.56	3.67	3.79											
		Amps	10.0	10.3	10.6	11.0	10.8	11.1	11.5	11.9	11.8	12.1	12.5	12.9	12.6	12.9	13.3	13.8	13.4	13.7	14.2	14.7	14.2	14.5	15.0	15.6											
	1400	Hi PR	224	241	255	266	252	271	286	298	286	308	325	339	326	351	371	386	367	395	417	435	405	436	461	480											
		Lo PR	104	111	121	129	110	117	128	136	114	122	133	142	120	128	140	149	126	134	146	156	130	139	151	161											
		MBh	41.4	42.3	45.2	48.3	40.4	41.3	44.1	47.1	39.4	40.3	43.1	46.0	38.5	39.3	42.0	44.9	36.5	37.3	39.9	42.7	33.9	34.6	37.0	39.5											
		S/T	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.96	0.90	0.74	0.55	1.00	0.93	0.76	0.57	1.00	0.97	0.79	0.59	1.00	0.98	0.80	0.59											
		ΔT	25	24	21	16	25	24	21	17	25	24	21	17	25	24	21	17	24	24	21	17	22	22	19	15											
1575	KW	2.80	2.86	2.94	3.03	3.00	3.06	3.15	3.25	3.18	3.24	3.34	3.44	3.33	3.40	3.50	3.61	3.46	3.53	3.64	3.75	3.57	3.65	3.76	3.88												
	Amps	10.3	10.6	10.9	11.3	11.1	11.4	11.8	12.2	12.1	12.4	12.8	13.3	12.9	13.2	13.7	14.2	13.8	14.1	14.6	15.1	14.6	14.9	15.4	16.0												
	Hi PR	231	249	263	274	260	279	295	308	295	318	335	350	336	362	382	398	378	407	430	448	418	450	475	495												
	Lo PR	107	114	125	133	114	121	132	140	118	126	137	146	124	132	144	153	130	138	151	161	134	143	156	166												
	MBh	42.6	43.5	46.5	49.7	41.6	42.5	45.4	48.6	40.6	41.5	44.3	47.4	39.6	40.5	43.3	46.2	37.6	38.5	41.1	43.9	34.9	35.6	38.1	40.7												

85	1225	MBh	38.8	39.6	41.5	44.2	37.9	38.7	40.5	43.2	37.0	37.7	39.5	42.2	36.1	36.8	38.6	41.2	34.3	35.0	36.6	39.1	31.8	32.4	33.9	36.2
		S/T	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.98	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.92	0.74
		ΔT	27	26	25	22	27	27	25	22	27	27	25	22	27	27	25	22	26	26	25	22	24	24	23	20
		KW	2.76	2.82	2.90	2.98	2.96	3.01	3.10	3.20	3.13	3.19	3.28	3.38	3.28	3.34	3.44	3.55	3.40	3.47	3.58	3.69	3.51	3.59	3.70	3.82
		Amps	10.1	10.4	10.7	11.1	10.9	11.2	11.6	12.0	11.9	12.2	12.6	13.0	12.7	13.0	13.4	13.9	13.5	13.8	14.3	14.8	14.3	14.6	15.1	15.7
	1400	Hi PR	227	244	257	269	254	274	289	301	289	311	329	343	329	354	374	390	371	399	421	439	409	441	465	485
		Lo PR	105	112	122	130	111	118	129	138	116	123	134	143	121	129	141	150	127	135	148	157	132	140	153	163
		MBh	42.1	42.9	44.9	47.9	41.1	41.9	43.9	46.8	40.1	40.9	42.8	45.7	39.1	39.9	41.8	44.6	37.2	37.9	39.7	42.4	34.4	35.1	36.8	39.2
		S/T	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.98	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.77	1.00	1.00	0.95	0.77
		ΔT	26	26	24	21	27	26	25	21	26	26	25	21	26	26	25	22	24	25	25	22	23	23	23	20
1575	KW	2.82	2.88	2.96	3.05	3.02	3.08	3.17	3.27	3.20	3.26	3.36	3.47	3.35	3.42	3.53	3.64	3.49	3.56	3.67	3.78	3.60	3.67	3.79	3.91	
	Amps	10.4	10.7	11.0	11.4	11.2	11.5	11.9	12.3	12.2	12.5	12.9	13.4	13.0	13.4	13.8	14.3	13.9	14.2	14.7	15.2	14.7	15.1	15.6	16.2	
	Hi PR	234	251	265	277	262	282	298	311	298	321	339	353	340	365	386	402	382	411	434	453	422	454	480	500	
	Lo PR	109	116	126	134	115	122	133	142	119	127	138	147	125	133	145	155	131	140	152	162	136	144	158	168	
	MBh	43.3	44.2	46.3	49.4	42.3	43.2	45.2	48.2	41.3	42.1	44.1	47.1	40.3	41.1	43.0	45.9	38.3	39.0	40.9	43.6	35.5	36.2	37.9	40.4	

IDB: Entering Indoor Dry Bulb Temperature  
 High and low pressures are measured at the liquid and suction service valves.  
 Shaded area reflects AHRI conditions  
 Amps = outdoor unit amps (comp.+fan)  
 kW = Total system power











IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												ENTERING INDOOR WET BULB TEMPERATURE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
		65°F				75°F				85°F				95°F				105°F				115°F																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
70	1550	MBh	54.2	56.2	61.6	-	53.0	54.9	60.1	-	51.7	53.6	58.7	-	50.4	52.3	57.3	-	47.9	49.7	54.4	-	44.4	46.0	50.4	-	S/T	0.66	0.55	0.38	-	0.68	0.57	0.39	-	0.70	0.58	0.40	-	0.72	0.60	0.42	-	0.75	0.62	0.43	-	ΔT	21	18	14	-	21	19	14	-	21	19	14	-	21	18	14	-	20	17	13	-	75	1550	MBh	55.1	57.9	63.4	-	54.6	56.5	62.0	-	53.3	55.2	60.5	-	52.0	53.9	59.0	-	49.4	51.2	56.1	-	45.7	47.4	51.9	-	S/T	0.69	0.58	0.40	-	0.71	0.60	0.41	-	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.66	0.45	-	ΔT	20	18	13	-	20	18	13	-	20	18	14	-	20	18	13	-	19	16	12	-	1750	MBh	56.1	58.2	63.7	-	54.8	56.8	62.3	-	53.5	55.5	60.8	-	52.2	54.1	59.3	-	49.6	51.4	56.3	-	45.9	47.6	52.2	-	S/T	0.70	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.80	0.66	0.46	-	ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-	2000	MBh	55.1	56.8	61.5	66.0	53.9	55.5	60.0	64.4	52.6	54.1	58.6	62.9	51.3	52.8	57.2	61.4	48.7	50.2	54.3	58.3	45.1	46.5	50.3	54.0	S/T	0.75	0.67	0.51	0.33	0.77	0.69	0.52	0.34	0.79	0.71	0.54	0.35	0.82	0.73	0.55	0.36	0.85	0.76	0.58	0.37	0.86	0.77	0.58	0.37	ΔT	24	23	18	13	25	23	19	13	25	23	19	13	25	23	19	13	25	23	19	13	23	21	17	12	1550	MBh	56.8	58.5	63.3	67.9	55.5	57.1	61.8	66.4	54.2	55.8	60.4	64.8	52.8	54.4	58.9	63.2	50.2	51.7	55.9	60.0	46.5	47.9	51.8	55.6	S/T	0.78	0.70	0.53	0.34	0.81	0.73	0.55	0.35	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.89	0.80	0.60	0.39	0.90	0.80	0.61	0.39	ΔT	23	22	18	12	24	22	18	12	24	22	18	12	24	22	18	12	22	20	17	11	1750	MBh	57.1	58.8	63.6	68.3	55.8	57.4	62.1	66.7	54.4	56.0	60.7	65.1	53.1	54.7	59.2	63.5	50.4	51.9	56.2	60.3	46.7	48.1	52.1	55.9	S/T	0.79	0.71	0.54	0.35	0.82	0.74	0.56	0.36	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.91	0.82	0.62	0.40	ΔT	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	20	18	15	10	2000	MBh	58.1	59.8	64.6	69.3	56.5	58.1	62.8	67.4	55.1	56.7	61.4	65.8	53.7	55.3	59.9	64.2	50.9	52.4	56.7	60.8	47.2	48.6	52.6	56.6	S/T	0.80	0.72	0.55	0.36	0.83	0.75	0.57	0.37	0.85	0.76	0.58	0.38	0.88	0.79	0.60	0.40	0.91	0.82	0.62	0.41	0.92	0.83	0.63	0.42	ΔT	20	18	14	9	20	18	14	9	20	18	14	9	20	18	14	9	19	17	13	8

IDB: Entering Indoor Dry Bulb Temperature  
 High and low pressures are measured at the liquid and suction service valves.  
 Shaded area reflects ACCA (TVA) conditions  
 Amps = outdoor unit amps (comp.+fan)  
 kW = Total system power



8	7	6	5	4	3	2	1	
E	D	C	B					A

MODEL	W"	D"	H"
GSX16018I**	29	29	32
GSX16024I**	29	29	32
GSX16030I**	29	29	35 1/4
GSX16031I**	29	29	39 1/2
GSX16036I**	29	29	39 1/2
GSX16037I**	35 1/2	35 1/2	35 3/4
GSX16042I**	35 1/2	35 1/2	35 3/4
GSX16048I**	35 1/2	35 1/2	39 1/2
GSX16060I**	35 1/2	35 1/2	37 3/4

\*Note: All the Dimensions (W, D, H) are for reference only.

MODEL	W"	D"	H"
GSX16S18IA*	29	29	32
GSX16S24IA*	29	29	32
GSX16S30IA*	29	29	35 3/4
GSX16S36IA*	29	29	39 1/2
GSX16S42IA*	35 1/2	35 1/2	35 3/4
GSX16S48IA*	35 1/2	35 1/2	39 1/2

\*Note: All the Dimensions (W, D, H) are for reference only.

<b>Goodman Manufacturing Co., L.P.</b>		<b>GSX16</b>
DRAWING TO BE INTERPRETED IN ACCORDANCE WITH ASHRAE 154-100	DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE	DO NOT SCALE DRAWING
TOLERANCES UNLESS NOTED OTHERWISE	FINISH UNLESS NOTED OTHERWISE	SHEET OF 1
X = 1/8	XX = 1/16	XXX = 0.015
HALF Ø = 0.005	HOLE Ø = 0.005	PLATE CUT ± 0.005

**SPECIAL CHARACTERISTICS**

- ⊕ = 6SIGMA
- ⊕ = CRITICAL CHARACTERISTIC
- ⊕ = SIGNIFICANT CHARACTERISTIC

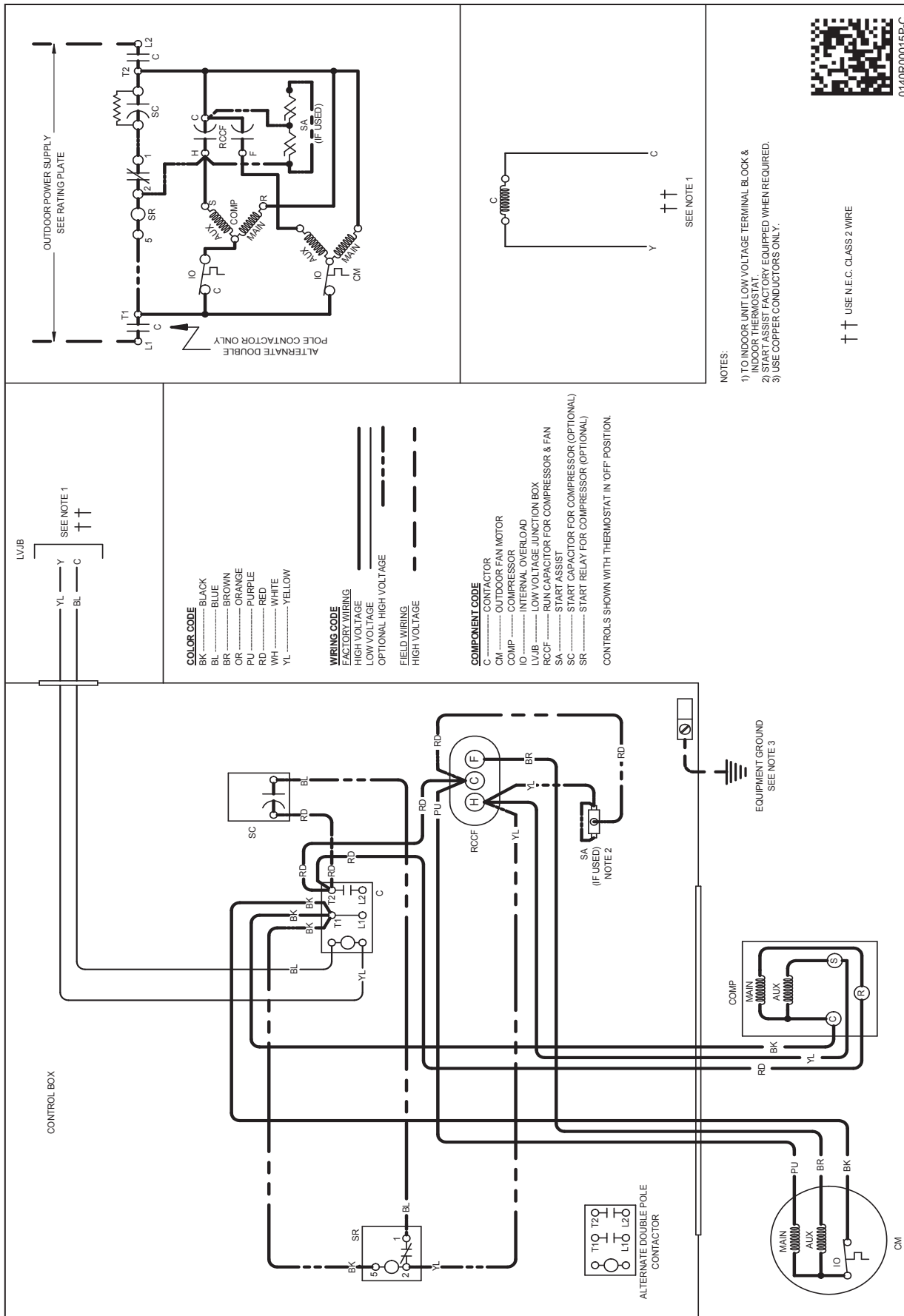
COMPONENTS AND MATERIALS SPECIFIED HEREIN WILL ALSO CONFORM TO THE APPLICABLE SECTION OF GOODMAN MSP #6410 WORKMANSHIP STANDARD FOR FIT, FEEL, AND FINISH

CONFIDENTIAL PROPERTY OF THE GOODMAN MANUFACTURING COMPANY, L.P. NOT TO BE DISCLOSED TO OTHERS, COPIED, OR USED FOR ANY PURPOSE EXCEPT AS AUTHORIZED IN WRITING. MUST BE RETURNED UPON DEMAND, ON COMPLETION OF ORDER, OR OTHER PURPOSE FOR WHICH IT WAS LENT.

PLEASE SEE L.P. # 603

8	7	6	5	4	3	2	1	
E	D	C	B					A

ECON	REV	ZONE	DESCRIPTION	CHK'D	DR	DATE
XXXXXX	A	XXXXX	INITIAL RELEASE	-	-	-



0140R00015P-C

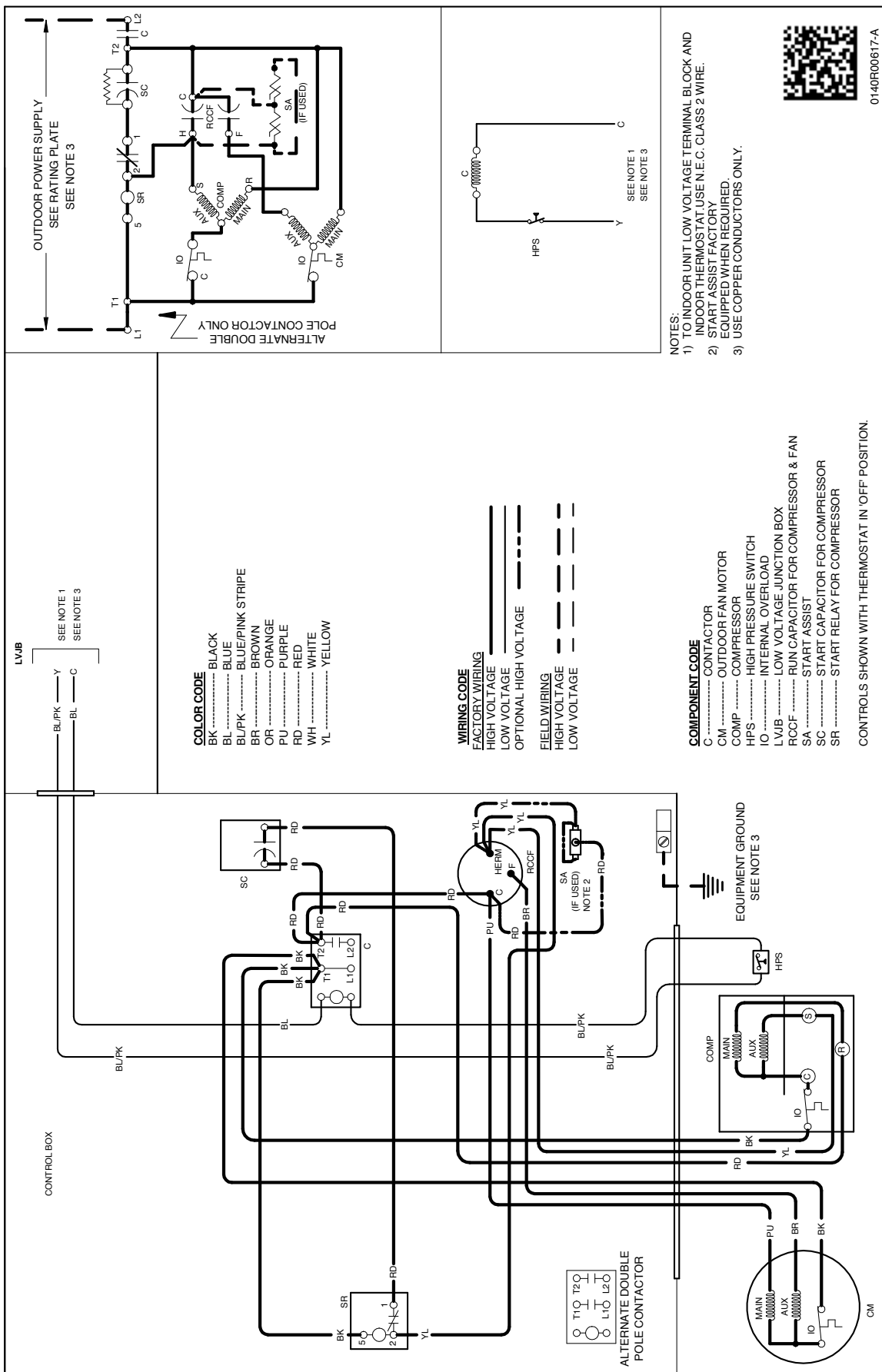
**NOTES:**  
 1) TO INDOOR UNIT LOW VOLTAGE TERMINAL BLOCK & INDOOR THERMOSTAT.  
 2) START ASSIST FACTORY EQUIPPED WHEN REQUIRED.  
 3) USE COPPER CONDUCTORS ONLY.

†† USE N.E.C. CLASS 2 WIRE

**WARNING**

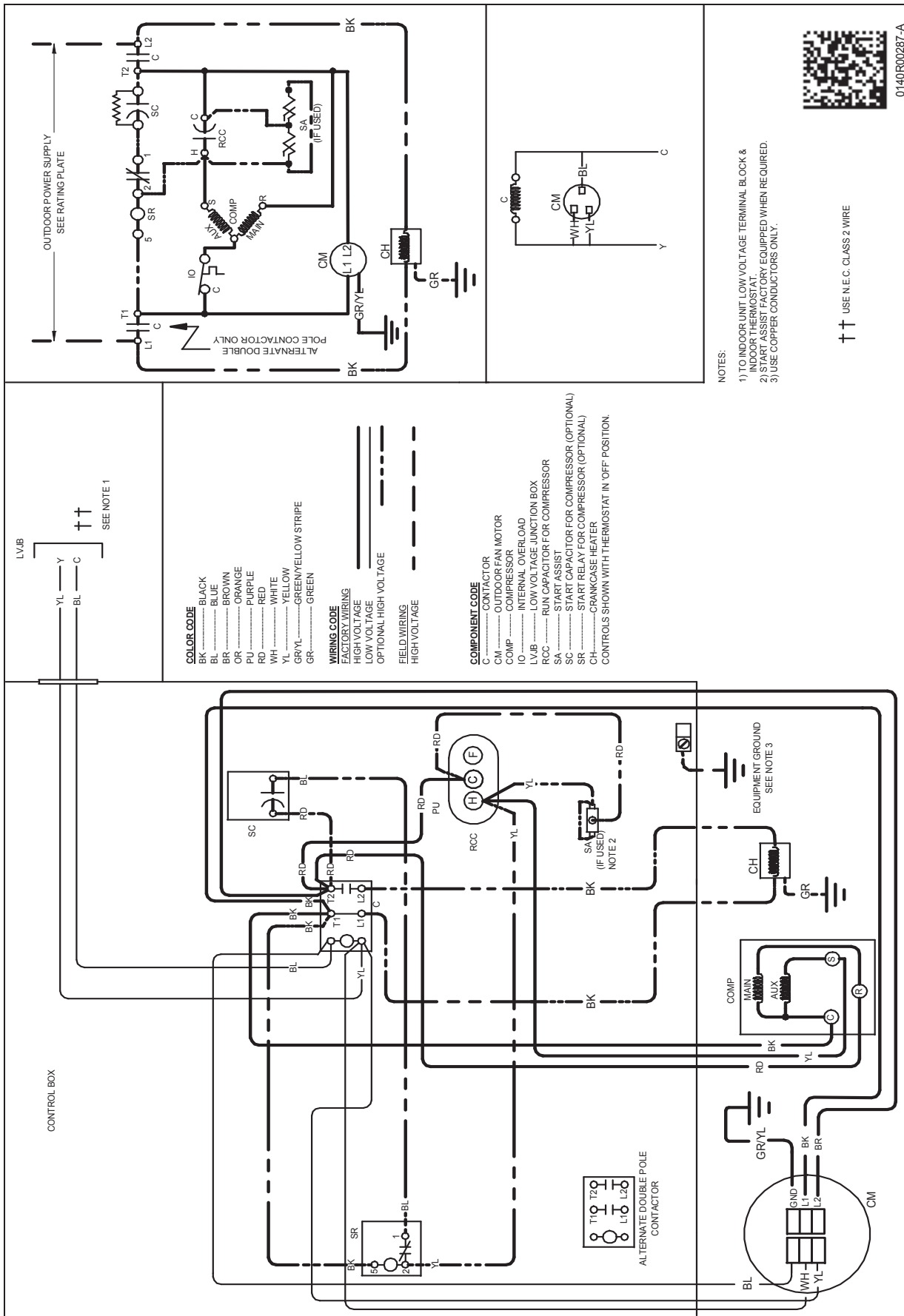
**High Voltage:** Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.



**WARNING**

High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.



0140R00287-A

- NOTES:
- 1) TO INDOOR UNIT LOW VOLTAGE TERMINAL BLOCK & INDOOR THERMOSTAT.
  - 2) START RELAY IS FACTORY EQUIPPED WHEN REQUIRED.
  - 3) USE COPPER CONDUCTORS ONLY.

†† USE N.E.C. CLASS 2 WIRE

**WARNING**

High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.



Lined area for taking notes, consisting of 20 horizontal lines.

MODEL	DESCRIPTION	GSX16 0181F*	GSX16 0241F*	GSX16 0301F*	GSX16 0311A*	GSX16 0361F*	GSX16 0371A*	GSX16 0421F*	GSX16 0481F*	GSX16 0601F*
ABK-20	Anchor Bracket Kit ^	X	X	X	X	X	X	X	X	X
ABK-21	Anchor Bracket Kit ^									
ASC-01	Anti-Short Cycle Kit	X	X	X	X	X	X	X	X	X
CSR-U-1	Hard-Start Kit	X	X	X	X	X	X			
CSR-U-2	Hard-start Kit					X	X	X	X	X
CSR-U-3	Hard-start Kit								X	X
FSK01A <sup>1</sup>	Freeze-Protection Kit	X	X	X	X	X	X	X	X	X
LSK02A <sup>2</sup>	Liquid-Line Solenoid Kit	X	X	X	X	X	X	X	X	X
LAKT01A	Low-Ambient Kit	X	X	X	X	X	X	X	X	
0130R00000S	Low-Pressure Switch Kit	X	X	X	X	X	X	X	X	X
TXV-30 <sup>2</sup>	TXV Kit	X	X	X	X					
TXV-42 <sup>2</sup>	TXV Kit					X	X	X		
TXV-48 <sup>2</sup>	TXV Kit								X	
TXV-60 <sup>2</sup>	TXV Kit									X

^ Contains 20 brackets; four brackets needed to anchor unit to pad

<sup>1</sup> Installed on indoor coil

<sup>2</sup> Field-installed, non-bleed, expansion valve kit.

MODEL	DESCRIPTION	GSX16S 181A*	GSX16S 241A*	GSX16S 301A*	GSX16S 361A*	GSX16S 421A*	GSX16S 481A*
ABK-20	Anchor Bracket Kit ^	X	X	X	X	X	X
ABK-21	Anchor Bracket Kit ^						
ASC-01	Anti-Short Cycle Kit	X	X	X	X	X	X
CSR-U-1	Hard-start Kit	X	X	X	X		
CSR-U-2	Hard-start Kit				X	X	X
CSR-U-3	Hard-start Kit						X
FSK01A <sup>1</sup>	Freeze Protection Kit	X	X	X	X	X	X
LSK02A <sup>2</sup>	Liquid Line Solenoid Kit	X	X	X	X	X	X
LAKT01A	Low-Ambient Kit	X	X	X	X	X	X
0130R00000S	Low-Pressure Switch Kit	X	X	X	X	X	X
TXV-30 <sup>2</sup>	TXV Kit	X	X	X			
TXV-42 <sup>2</sup>	TXV Kit				X	X	
TXV-48 <sup>2</sup>	TXV Kit						X
TXV-60 <sup>2</sup>	TXV Kit						

^ Contains 20 brackets; four brackets needed to anchor unit to pad

<sup>1</sup> Installed on indoor coil

<sup>2</sup> Field-installed, non-bleed, expansion valve kit.

**All AHRI system ratings are accessible in the System Configurator tool via PartnerLink.**